

STEREO MOC Status Report
Time Period: 2014:125 - 2014:131

STEREO Ahead (STA) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 126, during the DSS-63 support, turbo decoder lock was lost briefly at 0752z. This anomaly resulted in the loss of one frame of SSR data.

2. The following spacecraft/instrument events occurred during this week:

- On day 130, at 1815z, a test of the HGA side lobe RF pattern was conducted with the DSN during the DSS-14 support. The HGA was off pointed 9 degrees and back, at 0.2 degrees increments during a 90 minute period. The purpose of this test was to characterize the received signal power on the side lobes of the HGA. Analysis of the test data is underway.
- The average daily SSR playback volume for Ahead was 4.4 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 126, during the DSS-25 support, turbo decoder lock was lost intermittently between 127-0018z and 127-0021z. This anomaly resulted in the loss of thirteen frames of SSR data.
- On day 127, during the DSS-65 support, turbo decoder lock was lost briefly at 0645z. This anomaly resulted in the loss of four frames of SSR data.
- On day 128, during the DSS-55 support, the transmitter tripped off at 1003z. The subsequent transition from 2-way

to 1-way resulted in the loss of 347 frames of SSR data. To avoid further data loss, MOps requested to remain 1-way for the remainder of the track. See DR #M107976 for more information.

- On day 129, during the DSS-43 support, a DCD problem at Canberra prevented IDR files from being transmitted to the STEREO archive server. The missing files have been requested from the DSN. A DR has also been requested.
- On day 130, during the DSS-55 support, turbo decoder lock was lost briefly at 1211z. This anomaly resulted in the loss of 23 frames of SSR data.
- On day 130, during the DSS-25 support, turbo decoder lock was lost intermittently between 2153z and 2316z. This anomaly resulted in the loss of 70 frames of SSR data. See DR #N109555 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 126, the 62nd momentum dump was executed successfully at 2330z, which imparted a delta V of 0.0898 m/sec.
- The average daily SSR playback volume for Behind was 4.2 Gbits during this week.